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EXHIBIT R-2, RDT&E Budget Item Justification								DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-05						R-1 ITEM NOMENCLATURE 0604312N Tri-Service Standoff Attack Missile (TSSAM)					
COST (\$ in Millions)	Prior Years Cost		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Program
Total PE Cost	10.422		1.987	1.929	14.943	25.869	27.799	21.805	14.844		119.598
A2242 Joint Air to Surface Standoff Missile (JASSM)	10.422		1.987	1.929	14.943	25.869	27.799	21.805	14.844		119.598
Quantity of RDT&E Articles						5	9	4			18
<p>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</p> <p>The Joint Air to Surface Standoff Missile (JASSM) program is a FY-96 new start follow-on weapon system to the canceled Tri-Service Standoff Attack Missile (TSSAM). It is a joint Air Force/Navy program. JASSM is a long range, conventional air-to-surface, autonomous precision guided, standoff cruise missile compatible with fighter and bomber aircraft and able to attack a variety of fixed and relocatable targets. JASSM will carry a 1,000 pound class penetrator warhead. Initial integration efforts will be on the B-52 and F-16. The F/A 18 E/F, C/D, S-3, P-3 and JSF are currently designated as Navy objective platforms for JASSM. Carrier Operability is one of the Key Performance Parameters (KPP) for JASSM. The budget covers only the cost of Navy unique testing for the Carrier Operability KPP (prior to FY03) and integration aboard the Navy F/A-18E/F including mission planning (FY03 and outyears). In FY00, \$1.500 million was added to support Carrier Operability in preparation for the 1Q 02 LRIP decision. RDT&E Test Articles breakout: 3 IMVs and 2 STVs in FY04; 5 JTVs, 2 STVs, and 2 AURs in FY05; 4 AURs in FY06.</p> <p>(U) JUSTIFICATION FOR BUDGET ACTIVITY:</p> <p>This program is funded under ENGINEERING and MANUFACTURING DEVELOPMENT because it encompasses engineering and manufacturing development of new end-items prior to production approval decision.</p>											

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EXHIBIT R-2a, RDT&E Project Justification								DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME				PROJECT NUMBER AND NAME						
RDT&E, N / BA-05		0604312N Tri-Service Standoff Attack Missile (TSSAM)				A2242 JASSM						
COST (\$ in Millions)		Prior Years Cost		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Program
Project Cost		10.422		1.987	1.929	14.943	25.869	27.799	21.805	14.844		119.598
RDT&E Articles Qty							5	9	4			18
<p>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</p> <p>The Joint Air to Surface Standoff Missile (JASSM) program is a FY-96 new start follow-on weapon system to the canceled Tri-Service Standoff Attack Missile (TSSAM). It is a joint Air Force/Navy program. JASSM is a long range, conventional air-to-surface, autonomous precision guided, standoff cruise missile compatible with fighter and bomber aircraft and able to attack a variety of fixed and relocatable targets. JASSM will carry a 1,000 pound class penetrator warhead. Initial integration efforts will be on the B-52 and F-16. The F/A 18 E/F, C/D, S-3, P-3 and JSF are currently designated as Navy objective platforms for JASSM. Carrier Operability is one of the Key Performance Parameters (KPP) for JASSM. The budget covers only the cost of Navy unique testing for the Carrier Operability KPP (prior to FY03) and integration aboard the Navy F/A-18E/F including mission planning (FY03 and outyears). In FY00, \$1.500 million was added to support Carrier Operability in preparation for the 1Q 02 LRIP decision. RDT&E Test Articles breakout: 3 IMVs and 2 STVs in FY05; 5 JTVs, 2 STVs, and 2 AURs in FY05; 4 AURs in FY06.</p> <p>(U) PROGRAM ACCOMPLISHMENTS AND PLANS:</p> <p>1. FY FY 2001 ACCOMPLISHMENTS:</p> <ul style="list-style-type: none">- (U) (\$0.259) Lockheed Martin CLIN 1002 for Navy Carrier Operability unique requirements.- (U) (\$1.728) Continued Carrier Operability and ship suitability testing (E3 Testing, Load Adapter Development, Cats/Traps Flight Tests). <p>2. FY 2002 PLANS:</p> <ul style="list-style-type: none">- (U) (\$0.147) Lockheed Martin CLIN 1002 for Navy Carrier Operability unique requirements.- (U) (\$1.724) Continued Carrier Operability and ship suitability testing (Qual Navy Load Adapter).- (U) (\$0.058) Small Business Innovative Research (SBIR) Assessment <p>3. FY 2003 PLANS:</p> <ul style="list-style-type: none">- (U) (\$7.400) Begin JASSM / F/A-18E/F Windtunnel Test Series (Envelope Analysis, Captive Carriage, Loads, Flying Qualities Stability & Control)- (U) (\$7.543) JASSM Engineering Vehicle Tests (JASSM Static Structural Tests, Develop JASSM Mission Planning Requirements, ILS & Engineering Support)												

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Exhibit R-2, RDTEN Budget Item Justification
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EXHIBIT R-2a, RDT&E Project Justification			DATE: February 2002	
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-05	PROGRAM ELEMENT NUMBER AND NAME 0604312N Tri-Service Standoff Attack Missile (TSSAM)	PROJECT NUMBER AND NAME A2242 JASSM		

(U) B. PROGRAM CHANGE SUMMARY: (Show total funding, schedule, and technical changes for the program element that have occurred since the last President's submission.

	FY2001	FY2002	FY2003
(U) FY2002 President's Budget:	3.503	1.946	
(U) Adjustments from the FY2002 President's Budget:	-1.516	-0.017	
(U) FY2003 President's Budget Submit:	1.987	1.929	14.943

CHANGE SUMMARY EXPLANATION:

(U) Funding: The FY 2001 net decrease of \$1.516 million is due to a decrease of \$1.507 million for a Reprioritization of Requirements within the Navy and a decrease of \$0.009 million for a Small Business Innovative Research (SBIR) assessment. The FY 2002 decrease of \$0.017 million is due to a decrease for an undistributed congressional reduction.

(U) Schedule: All schedules are JASSM joint service program changes and are not Navy specific. Following the FTV-1 failure/analysis and concerns with some subcontractor USAF hardware deliveries, the USAF EMD program has gone through a modification. An additional 10 months have been added to EMD, which began in Nov 1998 and now runs for 50 months, resulting in a one-year slip of IOT&E; Low Rate Initial Production (LRIP) award has also moved 10 months from 3Q/01 to 1Q/02.

(U) Technical: Not Applicable.

(U) C. OTHER PROGRAM FUNDING SUMMARY:

<u>Line Item No. & Name</u>	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 To Complete	Total Cost
USAF, PAAF	0.150	43.864	50.505	101.801	145.494	148.578	197.633	1,438.684
Quantity	0	76	100	250	360	360	292	2,262
USN, WPN	0	0	0	0	0	0	19.715	300.585
Quantity	0	0	0	0	0	0	30	423
USAF, RDT&E U.S. Air Force P.E. 0207325F (Joint Air to Surface Standoff Missile (JASSM)								
	110.611	79.197	42.097	8.822	5.658	0.172	0.000	0.000
								874.702

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APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME																										
RDT&E, N / BA-05	0604312N Tri-Service Standoff Attack Missile (TSSAM)	A2242 JASSM																										
<p>(U) D. ACQUISITION STRATEGY: All major contracts within the program were awarded through full and open competition. The EMD phase option for JASSM is Cost Plus Award Fee (CPAF). This contract type provides the Government the flexibility to periodically evaluate contractor performance while motivating the contractor to execute a successful program with emphasis on EMD schedule, system performance, and management effectiveness.</p> <p>JASSM is an OSD flagship program under Cost as An Independent Variable (CAIV). This allows the contractor to have maximum trade space to develop an affordable missile that meets the four Key Performance Parameters. Under CAIV, the program maintains a threshold AUPP of \$700,000 (BY95\$) and an objective AUPP of \$400,000 (BY95\$).</p> <p>The Government is buying the JASSM system based on a contractor developed, government-approved System Performance Specification (SPS) which became contractually binding at downselect. The contractor assumes Total System Performance Reliability (TSPR) as defined in the SPS and warrants system performance for 15 years. Accordingly, the contractor is responsible not only for the design of the missile system, but also for planning and executing the Development Test and Evaluation (DT&E) program to verify the missile system performance. In its role as facilitator and advisor to the contractor, the Government formally arranges and funds the use of Government flight test support for DT&E. Although funded by the Government, flight test support funds are part of the negotiated commitment between the contractor and the Government ensuring the contractor is able to execute the DT&E program according to the scope of the EMD contract.</p> <p>(U) E. SCHEDULE PROFILE: The schedule provided below contains major program milestones as well as specific Navy Carrier Operability events necessary for LRIP amd MS III. F/A-18E/F Cats and Traps tests moved from 2Q FY02 to 4Q FY01 when \$1.500 was added to the Navy funding in order to conduct the tests prior to LRIP.</p> <table><tr><td></td><td><u>FY 2001</u></td><td><u>FY 2002</u></td><td><u>FY 2003</u></td><td><u>TO COMPLETE</u></td></tr><tr><td>(U) Program Milestones</td><td></td><td>1Q LRIP Decision/Award (USAF)</td><td></td><td>2Q/03 MS III (USAF)</td></tr><tr><td>(U) Engineering Milestones</td><td></td><td>2Q B-52 Flight Cert (USAF)</td><td></td><td>1Q/04 F-16 Flight Cert (USAF)</td></tr><tr><td>(U) T&E Milestones</td><td>2Q Begin DT/OT - Navy JASSM E3 Tests 4Q F/A-18E/F Cats/Traps</td><td>2Q Begin IOT&E (USAF) - OT&E Readiness Certification</td><td>1Q -Begin F/A-18E/F Integration - Navy JASSM Structural Testing</td><td></td></tr><tr><td>(U) Contract Milestones</td><td></td><td></td><td></td><td>2Q/03 Lot I Delivery (USAF) 2Q/04 Lot II Delivery (USAF) 2Q/05 Lot III Delivery (USAF) 2Q/06 Lot IV Delivery (USAF) 2Q/07 Lot V Delivery (USAF)</td></tr></table> <p>* LRIP and Lot quantities funded by USAF.</p>					<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>TO COMPLETE</u>	(U) Program Milestones		1Q LRIP Decision/Award (USAF)		2Q/03 MS III (USAF)	(U) Engineering Milestones		2Q B-52 Flight Cert (USAF)		1Q/04 F-16 Flight Cert (USAF)	(U) T&E Milestones	2Q Begin DT/OT - Navy JASSM E3 Tests 4Q F/A-18E/F Cats/Traps	2Q Begin IOT&E (USAF) - OT&E Readiness Certification	1Q -Begin F/A-18E/F Integration - Navy JASSM Structural Testing		(U) Contract Milestones				2Q/03 Lot I Delivery (USAF) 2Q/04 Lot II Delivery (USAF) 2Q/05 Lot III Delivery (USAF) 2Q/06 Lot IV Delivery (USAF) 2Q/07 Lot V Delivery (USAF)
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(U) Program Milestones		1Q LRIP Decision/Award (USAF)		2Q/03 MS III (USAF)																								
(U) Engineering Milestones		2Q B-52 Flight Cert (USAF)		1Q/04 F-16 Flight Cert (USAF)																								
(U) T&E Milestones	2Q Begin DT/OT - Navy JASSM E3 Tests 4Q F/A-18E/F Cats/Traps	2Q Begin IOT&E (USAF) - OT&E Readiness Certification	1Q -Begin F/A-18E/F Integration - Navy JASSM Structural Testing																									
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Exhibit R-2, RDTE Budget Item Justification
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Exhibit R-3 Cost Analysis (page 1)								DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME						
RDT&E, N / BA-05			0604312N Tri-Service Standoff Attack Missile (TSSAM)			A2242 JASSM						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	FY 03 Cost	FY 03 Award Date	Cost to Complete	Total Cost	Target Value of Contract
AoA/Carrier Operabilit/Ship Suitability	WR	NAWC-WD	3.080	1.121	10/01	0.553	01/02	1.420	01/03		6.174	
SLAM-ER CARD Dev to Spt AoA	WR	NAWC-WD	0.300								0.300	
SLAM-ER/JASSM AoA Spt	SS/CPFF	Boeing thru PMA-258	1.600								1.600	1.600
Carrier Operability/Ship Suitability	Misc	Various	2.724	0.607	10/01	1.171	Various	2.000	Various		6.502	
JASSM Development	CPAF	Lockheed	2.473	0.121	10/01	0.128	02/02	5.165	01/03	15.101	22.988	22.988
Award Fees	CPAF	Lockheed	0.245	0.138	05/01	0.019	03/02				0.402	
Subtotal Product Development			10.422	1.987		1.871		8.585		15.101	37.966	
Remarks: Prior year funds were under Proj Unit E2242.												
Training Development	WX	NAWC-WD						0.055	12/02	2.350	2.405	
Integrated Logistics Support	Various	Various						0.263	Various	1.391	1.654	
Technical Data	CPAF	Lockheed						0.040	01/03	0.175	0.215	
Subtotal Support								0.358		3.916	4.274	
Remarks: Prior year funds were under Proj Unit E2242.												

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Exhibit R-2, RD TEN Budget Item Justification
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Exhibit R-3 Cost Analysis (page 2)								DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-05			PROGRAM ELEMENT 0604312N Tri-Service Standoff Attack Missile (TSSAM)			PROJECT NUMBER AND NAME A2242 JASSM						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	FY 03 Cost	FY 03 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	WX	NAWC(WD)						2.000	10/02	28.900	30.900	
Operational Test & Evaluation	PD	COMOPTEVFOR								9.000	9.000	
Subtotal T&E								2.000		37.900	39.900	
Remarks: Prior year funds were under Proj Unit E2242.												
Contractor Engineering Support	Various	Various						2.500	12/02	19.300	21.800	
Government Engineering Support	WX	JASSM						1.500	12/02	14.100	15.600	
Small Business Innovative Research						0.058					0.058	
Subtotal Management						0.058		4.000		33.400	37.458	
Remarks: Prior year funds were under Proj Unit E2242.												
Total Cost			10.422	1.987		1.987		14.943		90.317	119.656	
Remarks:												

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